FIG. 1A

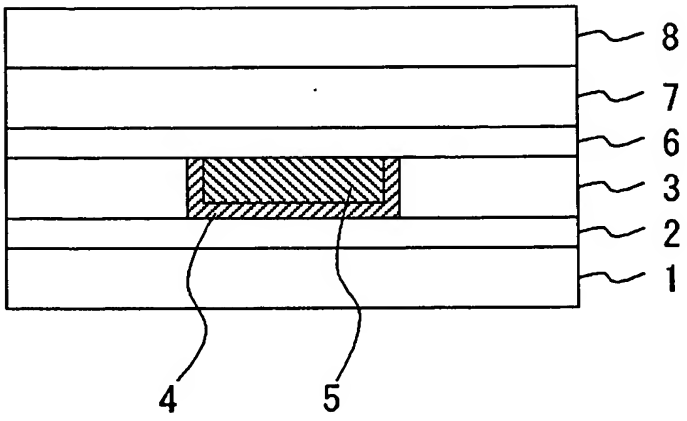

FIG. 1B

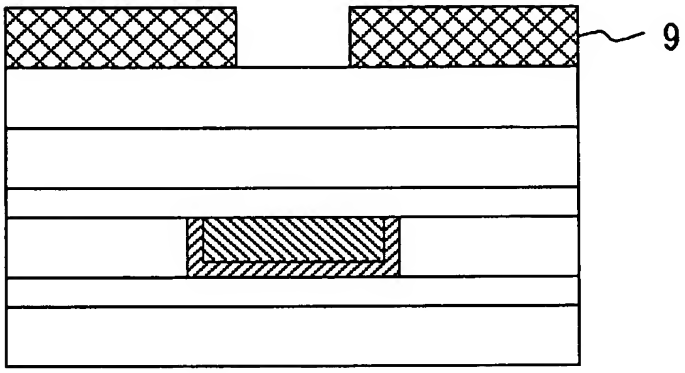

FIG. 1C

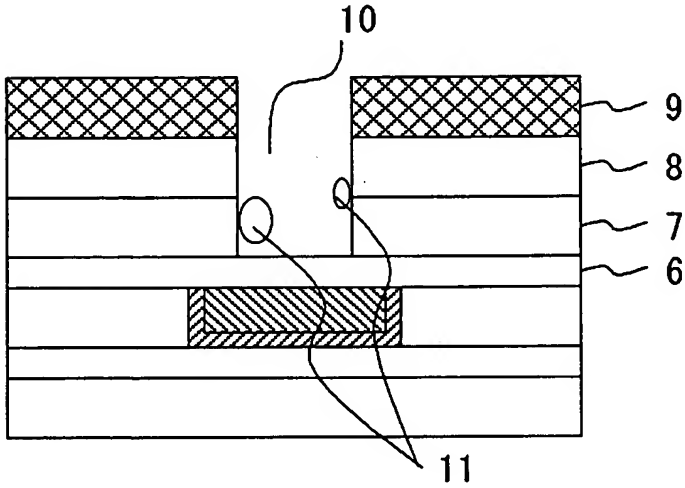

FIG. 2A

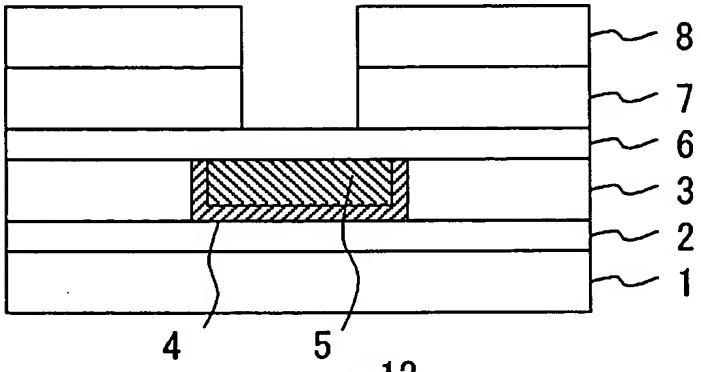

FIG. 2B

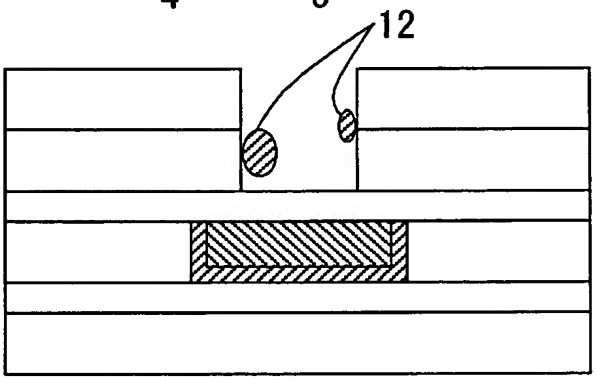

FIG. 2C

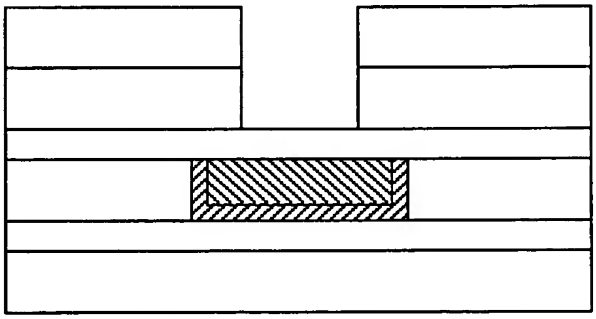

FIG. 2D

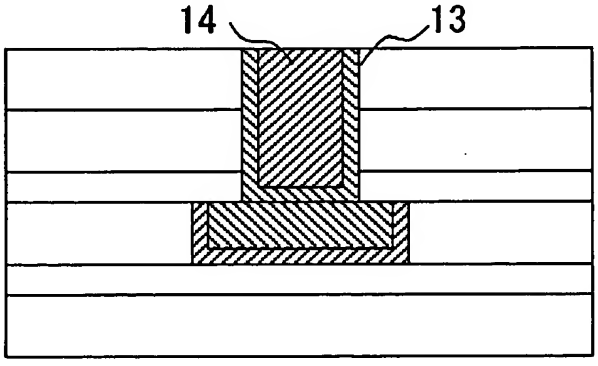

FIG. 3A

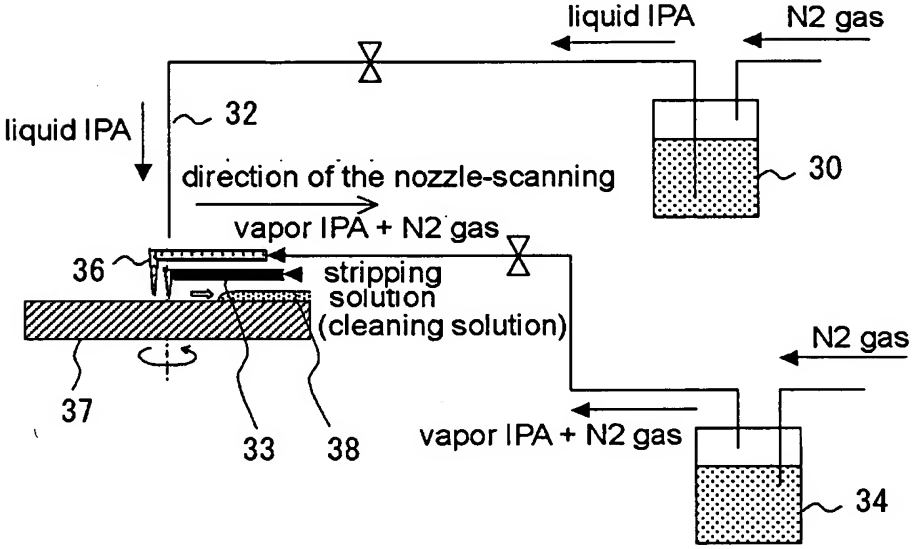
liquid IPA
N2 gas
liquid IPA
32
direction of the nozzle-scanning
30
vapor IPA + N2 gas
36
stripping solution (cleaning solution)
N2 gas
37
33
38
vapor IPA + N2 gas
34

FIG. 3B

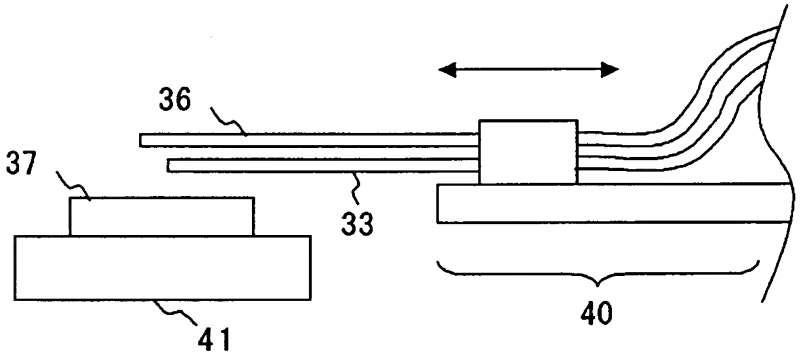
36
37
33
40
41

FIG. 4A

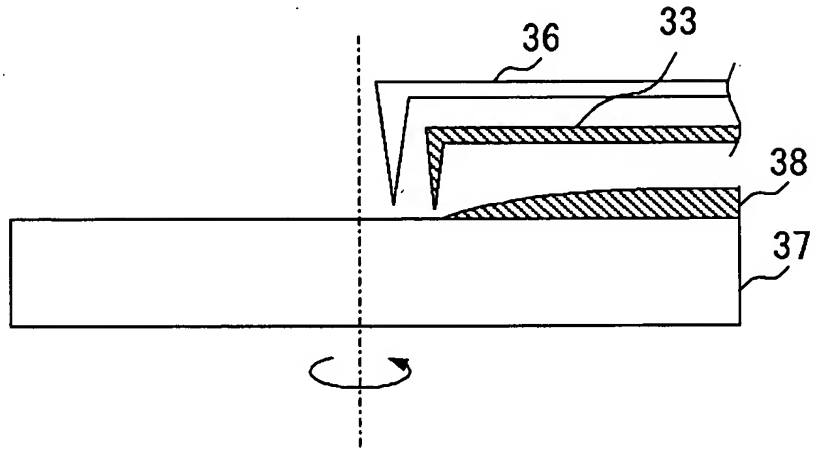

FIG. 4B

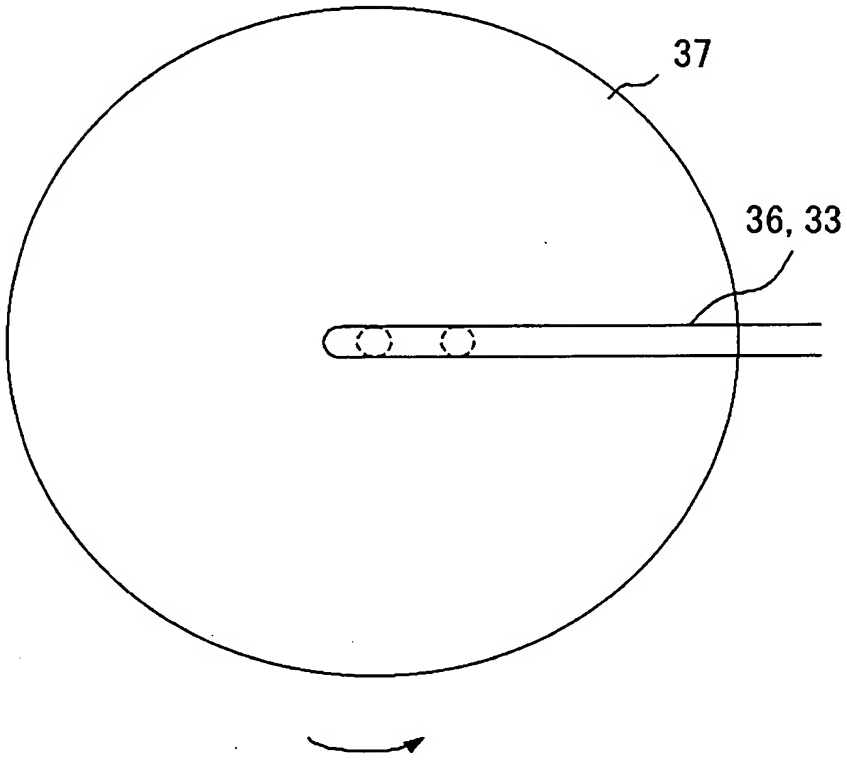

FIG. 5

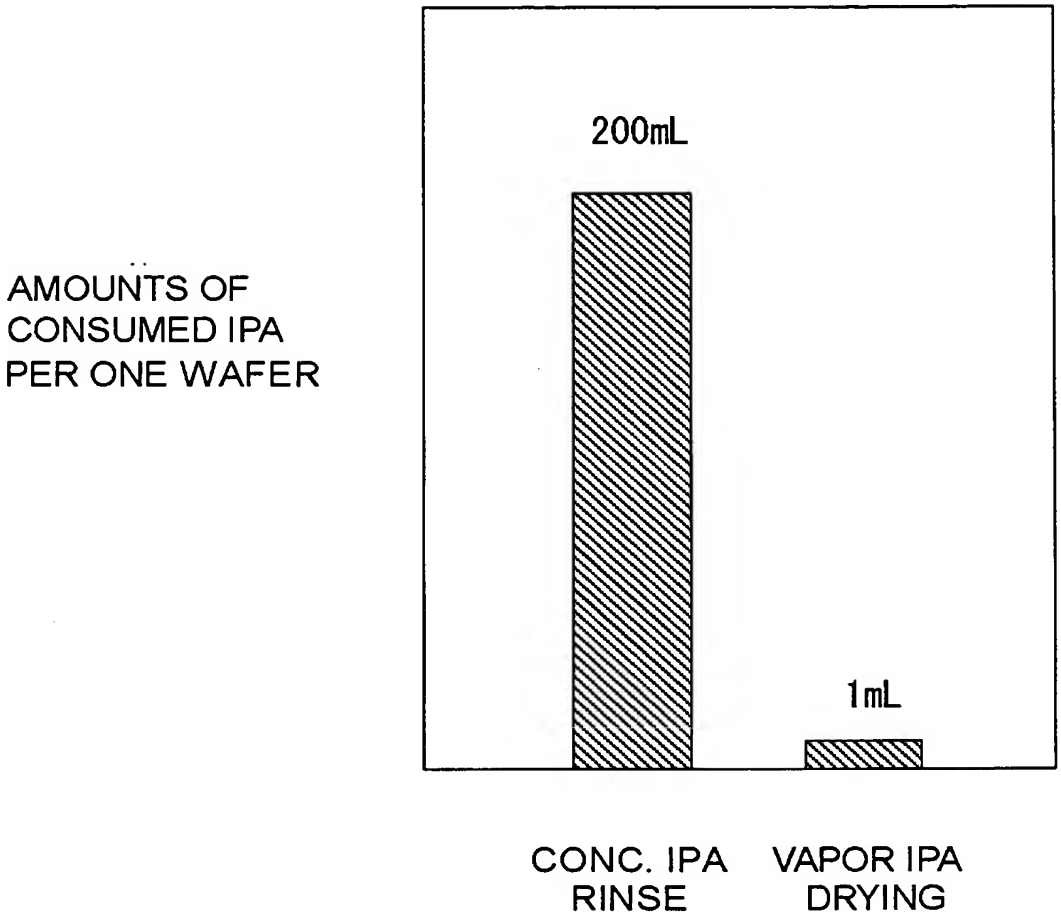
AMOUNTS OF CONSUMED IPA PER ONE WAFER
200mL
1mL
CONC. IPA RINSE
VAPOR IPA DRYING

FIG. 6

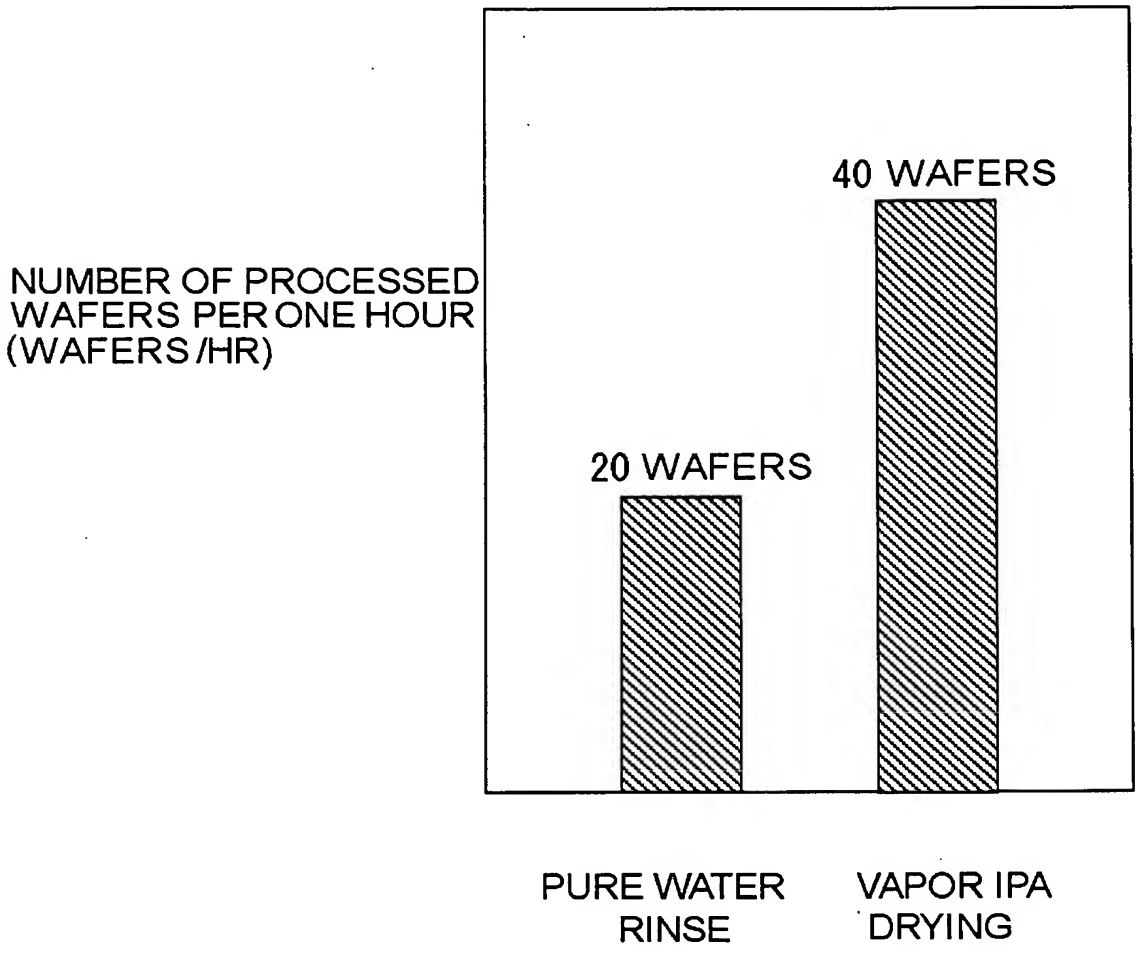
NUMBER OF PROCESSED WAFERS PER ONE HOUR (WAFERS/HR)
40 WAFERS
20 WAFERS
PURE WATER RINSE
VAPOR IPA DRYING

FIG. 7A

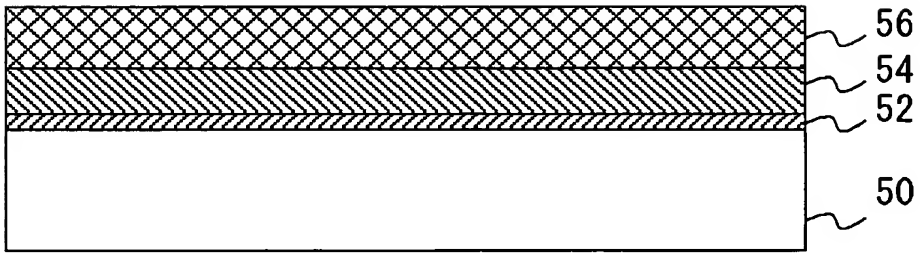

FIG. 7B

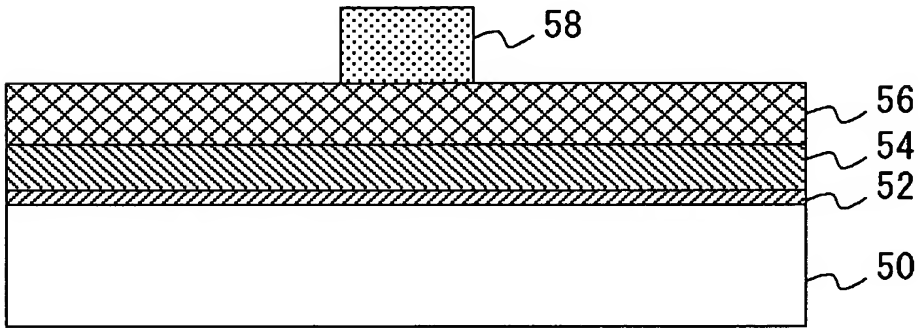

FIG. 7C

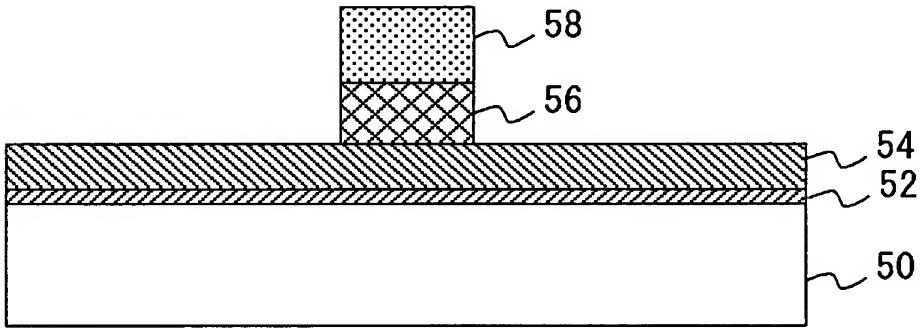

FIG. 7D

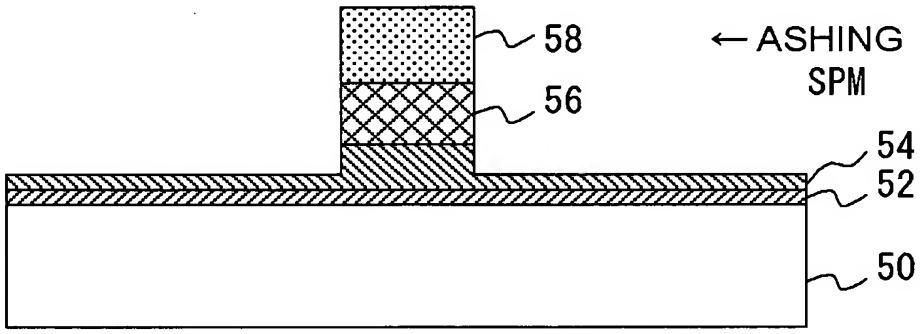

FIG. 8A

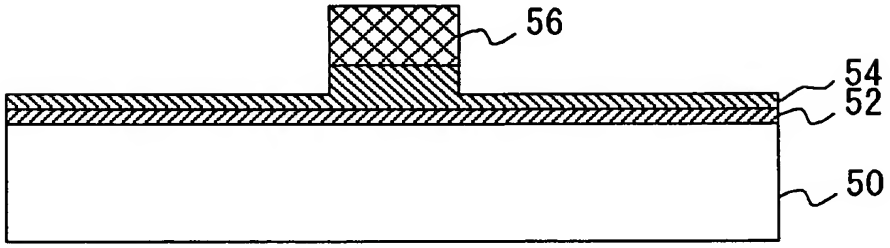

FIG. 8B

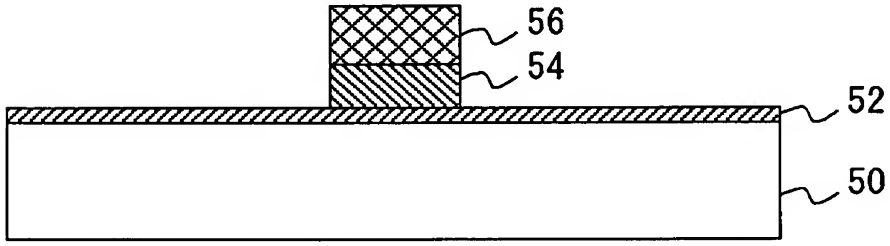

FIG. 8C

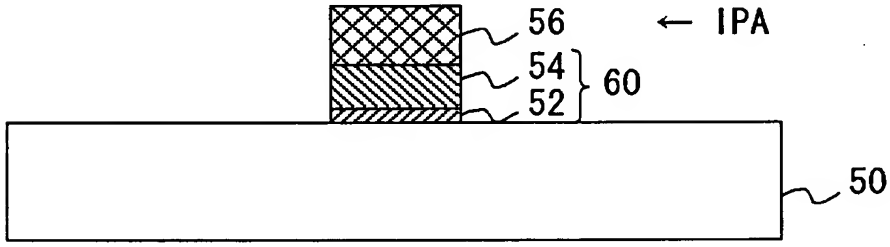

FIG. 8D

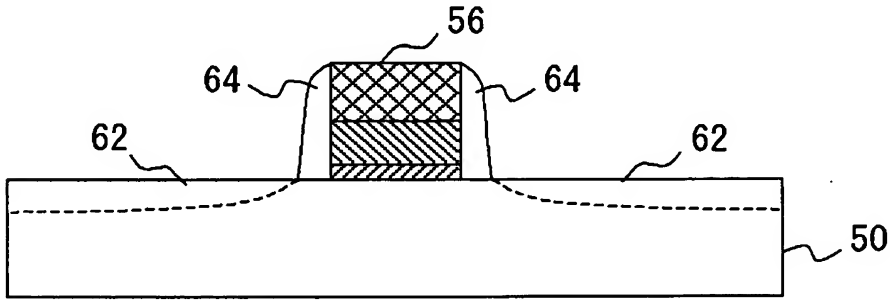

FIG. 9A

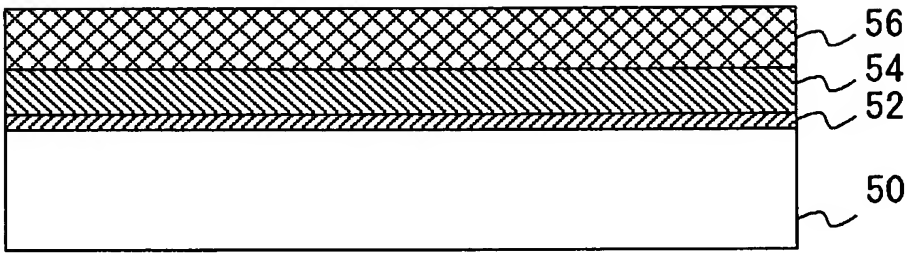

FIG. 9B

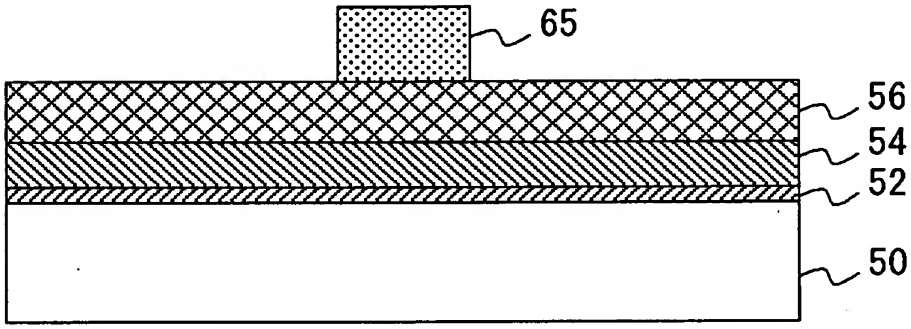

FIG. 10A

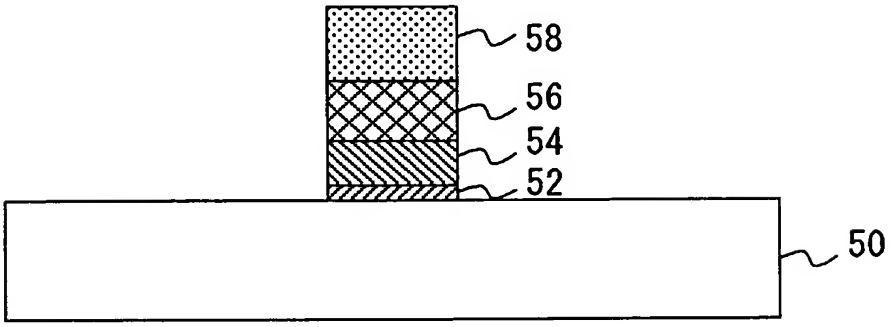

FIG. 10B

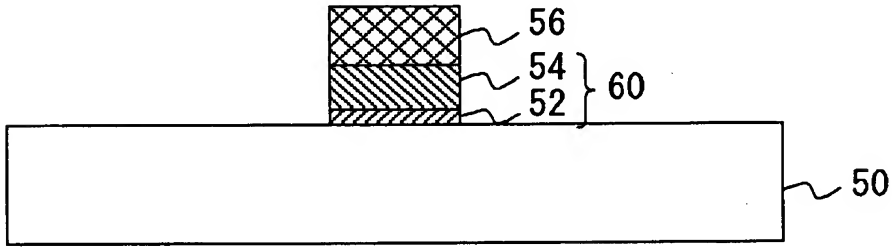

FIG. 10C

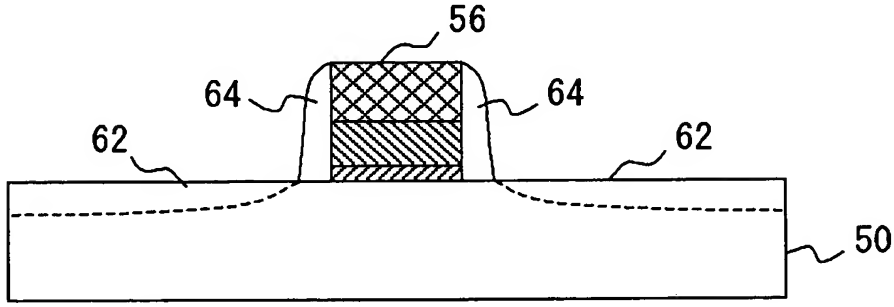

Fig. 11A

	stripping agent	pure water rinse	spray liquid IPA scanning	nozzle scanning vapor IPA + liquid	nozzle scanning vapor IPA +	nozzle scanning vapor IPA drying	N_2 gas dry (spinning drying)
No. 1(Comparative Example)	1	2					3
No. 2	1		2				3

Fig. 11B

	stripping agent	pure water rinse	spray liquid IPA scanning	nozzle scanning vapor IPA + liquid	nozzle scanning vapor IPA + stripper	nozzle scanning vapor IPA drying	N_2 gas dry (spinning drying)
No.3(Comparative Example)	1			2 (DIW)			3
No. 4	1				2		3

Fig. 11C

	stripping agent	pure water rinse	spray liquid IPA scanning	nozzle scanning vapor IPA + liquid	nozzle scanning vapor IPA + stripper	nozzle scanning vapor IPA drying	N_2 gas dry (spinning drying)
No. 5(Comparative Example)	1	2				3	
No. 6	1		2			3	
No. 7	1				2	3	
No. 8	1		2			3	4
No. 9	1			2(electrolyte-containing water)			3

FIG. 12 (PRIOR ART)

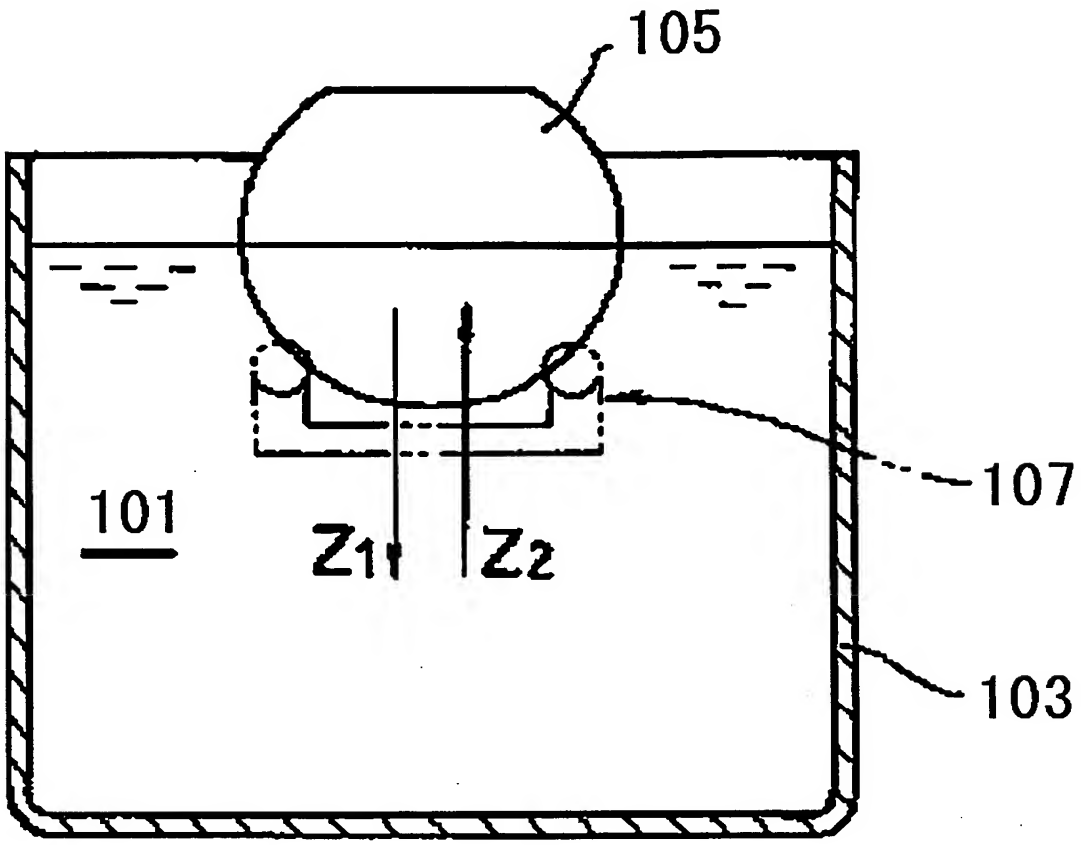

FIG. 13 (PRIOR ART)

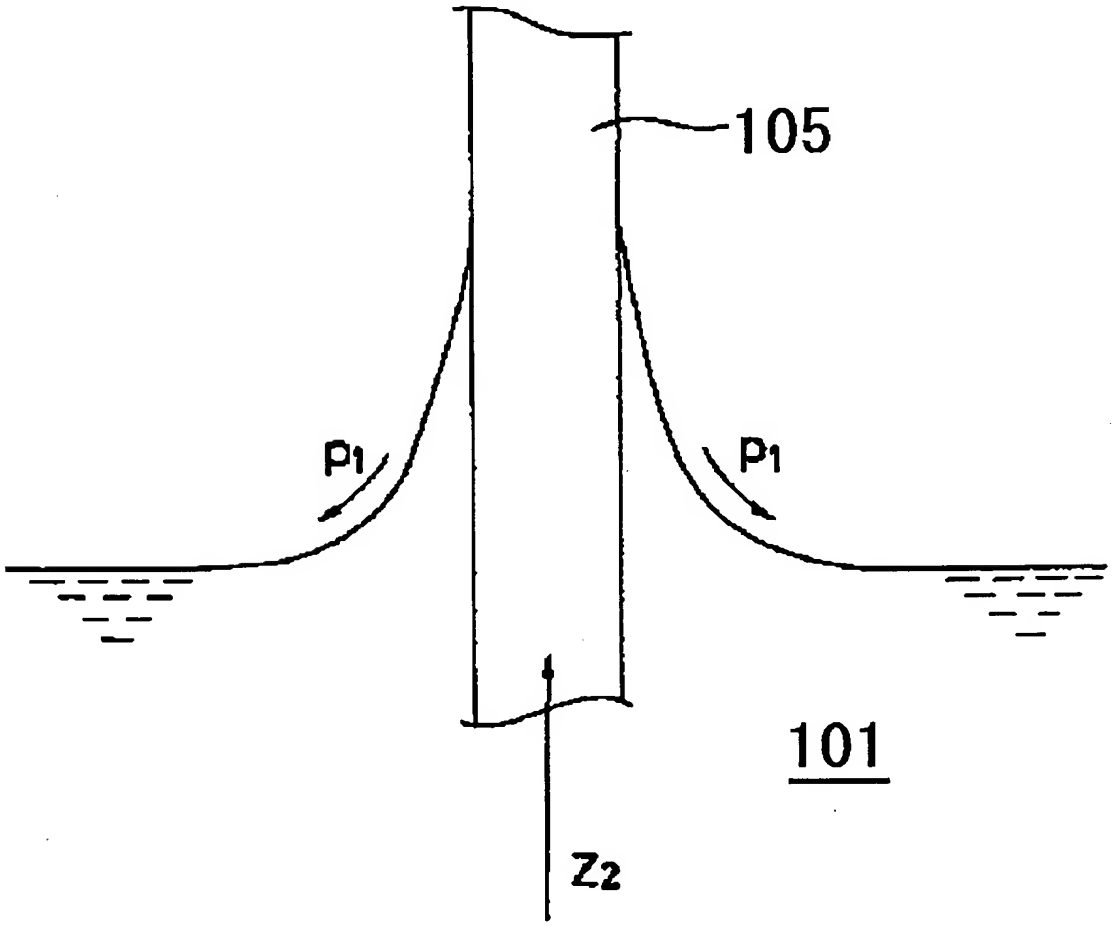

FIG. 14A

FIG. 14B